

What is claimed is:

1. An image recording and reproducing apparatus,  
comprising:

5 a decoding unit for decoding a live signal and a time shift  
signal in a time shift mode, the live signal and the time shift  
signal being branched from a broadcast signal;

a signal synthesizing unit for synthesizing the decoded live  
signal and the decoded time shift signal; and

10 a display unit for displaying the synthesized signals.

2. The image recording and reproducing apparatus according  
to claim 1, further comprising a recording/storing unit for  
recording and storing the time shift signal.

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3. The image recording and reproducing apparatus according  
to claim 1, wherein the decoding unit includes:

a first decoder for decoding the live signal; and

a second decoder for decoding the time shift signal.

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4. The image recording and reproducing apparatus according  
to claim 1, wherein the broadcast signal is contents inputted  
through one channel.

25 5. The image recording and reproducing apparatus according  
to claim 1, wherein, when a user request a reproduction of a

current broadcasting, the signal synthesizing unit synthesizes the signals to display only the decoded signal on one screen.

6. The image recording and reproducing apparatus according to claim 1, wherein, when a user requests a reproduction of a current broadcasting, the signal synthesizing unit synthesizes the signals to display the live signal and the time shift signal on a main screen and a sub-screen, respectively, the main screen and the sub-screen belonging to one screen.

7. The image recording and reproducing apparatus according to claim 1, wherein, a user requests a reproduction of a previous broadcasting, the signal synthesizing unit synthesizes the signals to display the time shift signal and the live signal on a main screen and a sub-screen, respectively, the main screen and the sub-screen belonging to one screen.

8. The image recording and reproducing apparatus according to claim 1, wherein, when the screen switches from the previous broadcasting to the current broadcasting, a reproducing end position of the time shift signal is recorded, and

when the screen again switches from the current broadcasting to the previous broadcasting, the signal synthesizing unit synthesizes the signals to display the time shift signal from the recorded reproducing end position.

9. The image recording and reproducing apparatus according to claim 1, wherein the display unit displays the synthesized signals on at least one split screen.

5 10. An image recording and reproducing apparatus, comprising:

a mode setup unit for setting a mode of an inputted broadcast signal;

10 a recording/storing unit for selectively storing the broadcasting signal according to the mode set by the mode setup unit;

a live decoding unit for decoding a live signal branched in the mode setup unit;

15 a time shift decoding unit for decoding a time shift signal outputted from the recording/storing unit;

a signal synthesizing unit for synthesizing the decoded live signal and the decoded time shift signal; and

a display unit for displaying the synthesized signals.

20 11. An image recording and reproducing method, comprising the steps of:

when a signal is reproduced in a time shift mode, decoding a live signal and a time shift signal through first and second decoding units, respectively, the live signal and the time shift  
25 signal being branched from a broadcast signal;

synthesizing the decoded live signal and the decoded time shift signal; and

displaying the synthesized signals.

5           12. The image recording and reproducing method according to claim 11, wherein the time shift signal is recorded and stored in a recording/storing unit.

10           13. The image recording and reproducing method according to claim 11, wherein the broadcast signal is contents inputted through one channel.

15           14. The image recording and reproducing method according to claim 11, wherein, when a user requests a reproduction of a current broadcasting, the signals are synthesized to display only the decoded signals on one screen.

20           15. The image recording and reproducing method according to claim 11, wherein, when a reproduction of a current broadcasting is requested from a user, the signals are synthesized to display the live signal and the time shift signal on a main screen and a sub-screen, respectively, the main screen and the sub-screen belonging to one screen.

25           16. The image recording and reproducing method according to claim 11, wherein when a reproduction of a previous broadcasting

is requested from a user, the signals are synthesized to display the time shift signal and the live signal on a main screen and a sub-screen, respectively, the main screen and the sub-screen belonging to one screen.

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17. An image recording and reproducing method, comprising the steps of:

a) when a signal is reproduced in a time shift mode, displaying a time shift signal and a live signal on one screen at the same time in response to a user's request for a reproduction of a previous broadcasting;

b) when the user requests a reproduction of a current broadcasting during the reproduction, recording a reproducing end position of the time shift signal; and

15 c) when the user requests a reproduction of a previous broadcasting again, reproducing the previous broadcasting from the recorded reproducing end position of the time shift signal.

18. The image recording and reproducing method according to claim 17, wherein when the user requests a reproduction of the previous broadcasting in the step a) or c), the time shift signal and the live signal are displayed on a main screen and a sub-screen, respectively.

25 19. The image recording and reproducing method according to claim 17, wherein when the user requests the reproduction of the

current broadcasting in the step b), the live signal and the time shift signal are displayed on a main screen and a sub-screen, respectively.

- 5           20. The image recording and reproducing method according to claim 17, wherein when the user requests the reproduction of the current broadcasting in the step b), only the live signal is displayed.